

Claims

1. Arrangement for retro-actively cutting wiper blades comprising a first guide (D), engaging in grooves on both sides of the wiper blade, and a second guide (L) in close proximity to the edge of the lip (M) of the wiper blade to be cut retro-actively, characterized in that a blade (J) is disposed in close proximity to the second guide (L) and that the second guide (L) has a fixed width such that the lip (M) of the wiper blade is guided in a smooth-running manner.
2. Arrangement according to claim 1, characterized in that the second guide (L) tapers in the direction of movement from a relatively large width to a fixed width.
3. Arrangement according to any one of the preceding claims, characterized in that the second guide (L) has a depth, which covers the portion of the lip (M) to be cut off.
4. Arrangement according to any one of the preceding claims, characterized in that the second guide (L), starting at the cutting edge of the blade (J), expands into a discharge passage (H).
5. Arrangement according to claim 4, characterized in that the discharge passage (H) has a width and a depth of at least twice the width of the lip (M).
6. Arrangement according to any one of the preceding claims, characterized in that the second guide (L) together with the blade (J) forms a cutting unit (B), mounted in the direction of cutting in an adjustable manner.
7. Arrangement according to claim 6, characterized in that the first guide (D) forms part of a basic body (A) and that the cutting unit (B) is mounted in the basic body (A) in an adjustable manner.

8. Arrangement according to claim 7, characterized in that in the basic body (A) a further discharge passage (N) is provided, the cross-section of which corresponds to at least that of the discharge passage (H).
9. Arrangement according to either claim 7 or 8, characterized in that a spindle (F) is provided on the cutting unit (B) for adjusting purposes, communicating interactively and play-free with a spindle nut (E) mounted in a recess of the basic body (A).
10. Arrangement according to any one of claims 6 to 9, characterized in that the setting of the cutting unit (B) is lockable.
11. Arrangement according to any one of the preceding claims, characterized in that the first guide (D) is longer than the second guide (L).
12. Arrangement according to any one of the preceding claims, characterized in that the first guide (D) has a length of between 70 mm and 200 mm.
13. Arrangement according to any one of the preceding claims, characterized in that the first guide (D) is curved in the longitudinal direction of the wiper blade.
14. Arrangement according to any one of the preceding claims, characterized in that a measuring device (O, P, Q, R, T, S, U) is provided.
15. Arrangement according to claim 14, characterized in that the measuring device is formed by a scale (T) in a passage receiving the wiper blade and by an observation aperture (U).

16. Arrangement according to claim 14, characterized in that the measuring device is formed by a scale (T) on both sides of a passage receiving the wiper blade and by a movable stop (S).

17. Arrangement according to claim 14, characterized in that the measuring device is formed by a movable feeler gauge (O).

18. Arrangement according to any one of claims 1 to 14, characterized in that an observation device is provided in preset spaced-apart relationship measured from the blade in the direction of cutting.

19. Arrangement according to any one of the preceding claims, characterized in that at least one of the guides (D, L) is provided with a friction-reducing surface.

20. Arrangement according to any one of the preceding claims, characterized in that a plurality of guides (D) is provided in a body (V).

21. Arrangement according to any one of the preceding claims, characterized in that a body (V) takes the form of a hollow cylinder or prism, open on one side, encompassing a basic body (A) with a cutting unit (B) like a lid, the body (V) and the basic body (A) being adjustable in relation to one another in the direction of their axis.

22. Arrangement according to claim 21, characterized in that the cylinder (V) or the prism and the basic body (A) are rotatably interconnected by a thread for adjusting purposes.

23. Arrangement according to any one of the preceding claims, characterized in that the cutting edge of the blade is positioned normal to the direction of movement and normal to the cutting direction.

24. Arrangement according to any one of the preceding claims, characterized in that the blade is positioned obliquely in the cutting direction.

25. Arrangement according to any one of claims 1 to 22, characterized in that the blade is bent in the cutting direction in such a manner that the cutting area is V-shaped.

26. Arrangement according to any one of claims 1 to 22, characterized in that the blade is curved in the cutting direction in such a manner that a concave cutting area is produced.

27. Arrangement according to any one of the preceding claims, characterized in that the cutting edge of the blade extends arrow-shaped in the direction of movement of the wiper blade.

28. Arrangement according to any one of the preceding claims, characterized in that means for fixing the position of the blade in the cutting region are provided.

29. Arrangement according to claim 28, characterized in that the means cause the blade to be firmly supported on the surfaces directly adjoining the cutting region.

30. Arrangement according to any one of the preceding claims, characterized by a limiting device for the first guide in the direction of cutting, adjustable with the cutting unit and having a preset position towards the cutting edge in the direction of cutting.

31. Arrangement according to any one of the preceding claims, characterized in that a device for measuring the cutting depth is formed in that a stop member (Z) is provided, adjustable together with the blade, and a guide (Y), engaging at least one of the grooves of the wiper blade, is positioned opposite the stop member (Z).

32. Arrangement according to claim 31, characterized in that the stop member (Z) is arranged at the end of a passage intended for the wiper blade and that the guide is formed by a terminal region of the first guide (W).

33. Arrangement according to claim 31, characterized in that the stop member (Z) projects laterally from the arrangement and a shoulder moulded onto the longitudinal side of the arrangement forms the guide (Y).